

R. Prouty

#5

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/713,669

DATE: 02/21/2001  
TIME: 23:51:21

INPUT SET: S36416.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Hillman, Jennifer L.

Tang, Y. Tom

Lal, Preeti

Corley, Neil C.

Guegler, Karl J.

Patterson, Chandra

ENTERED

(ii) TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS

(iii) NUMBER OF SEQUENCES: 12

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

(B) STREET: 3174 PORTER DRIVE

(C) CITY: PALO ALTO

(D) STATE: CALIFORNIA

(E) COUNTRY: USA

(F) ZIP: 94304

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/713,669

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 09/071,709

(B) FILING DATE:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/713,669DATE: 02/21/2001  
TIME: 23:51:22

INPUT SET: S36416.raw

47 (viii) ATTORNEY/AGENT INFORMATION:  
48 (A) NAME: CERRONE, MICHAEL C.  
49 (B) REGISTRATION NUMBER: 39,132  
50 (C) REFERENCE/DOCKET NUMBER: PF-0513 US  
51  
52  
53 (ix) TELECOMMUNICATION INFORMATION:  
54 (A) TELEPHONE: (650) 855-0555  
55 (B) TELEFAX: (650) 845-4166  
56  
57 (2) INFORMATION FOR SEQ ID NO: 1:  
58  
59 (i) SEQUENCE CHARACTERISTICS:  
60 (A) LENGTH: 459 amino acids  
61 (B) TYPE: amino acid  
62 (C) STRANDEDNESS: single  
63 (D) TOPOLOGY: linear  
64  
65 (vii) IMMEDIATE SOURCE:  
66 (A) LIBRARY: THP1NOB01  
67 (B) CLONE: 031381  
68  
69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1 :  
70  
71 Met Asp Gly Glu Asp Ile Pro Asp Phe Ser Ser Leu Lys Glu Glu  
72 5 10 15  
73 Thr Ala Tyr Trp Lys Glu Leu Ser Leu Lys Tyr Lys Gln Ser Phe  
74 20 25 30  
75 Gln Glu Ala Arg Asp Glu Leu Val Glu Phe Gln Glu Gly Ser Arg  
76 35 40 45  
77 Glu Leu Glu Ala Glu Leu Glu Ala Gln Leu Val Gln Ala Glu Gln  
78 50 55 60  
79 Arg Asn Arg Asp Leu Gln Ala Asp Asn Gln Arg Leu Lys Tyr Glu  
80 65 70 75  
81 Val Glu Ala Leu Lys Glu Lys Leu Glu His Gln Tyr Ala Gln Ser  
82 80 85 90  
83 Tyr Lys Gln Val Ser Val Leu Glu Asp Asp Leu Ser Gln Thr Arg  
84 95 100 105  
85 Ala Ile Lys Glu Gln Leu His Lys Tyr Val Arg Glu Leu Glu Gln  
86 110 115 120  
87 Ala Asn Asp Asp Leu Glu Arg Ala Lys Arg Ala Thr Ile Val Ser  
88 125 130 135  
89 Leu Glu Asp Phe Glu Gln Arg Leu Asn Gln Ala Ile Glu Arg Asn  
90 140 145 150  
91 Ala Phe Leu Glu Ser Glu Leu Asp Glu Lys Glu Ser Leu Leu Val  
92 155 160 165  
93 Ser Val Gln Arg Leu Lys Asp Glu Ala Arg Asp Leu Arg Gln Glu  
94 170 175 180  
95 Leu Ala Val Arg Glu Arg Gln Gln Glu Val Thr Arg Lys Ser Ala  
96 185 190 195  
97 Pro Ser Ser Pro Thr Leu Asp Cys Glu Lys Met Asp Ser Ala Val  
98 200 205 210  
99 Gln Ala Ser Leu Ser Leu Pro Ala Thr Pro Val Gly Lys Gly Thr

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/713,669

DATE: 02/21/2001  
TIME: 23:51:22

INPUT SET: S36416.raw

100		215		220		225
101	Glu Asn Thr Phe	Pro Ser Pro Lys Ala	Ile	Pro Asn Gly Phe	Gly	
102		230		235		240
103	Thr Ser Pro Leu	Thr Pro Ser Ala Arg	Ile	Ser Ala Leu Asn	Ile	
104		245		250		255
105	Val Gly Asp Leu	Leu Arg Lys Val Gly	Ala	Leu Glu Ser Lys	Leu	
106		260		265		270
107	Ala Ala Cys Arg	Asn Phe Ala Lys Asp	Gln	Ala Ser Arg Lys	Ser	
108		275		280		285
109	Tyr Ile Ser Gly	Asn Val Asn Cys Gly	Val	Leu Asn Gly Asn	Gly	
110		290		295		300
111	Thr Lys Phe Ser	Arg Ser Gly His Thr	Ser	Phe Phe Asp Lys	Gly	
112		305		310		315
113	Ala Val Asn Gly	Phe Asp Pro Ala Pro	Pro	Pro Pro Gly Leu	Gly	
114		320		325		330
115	Ser Ser Arg Pro	Ser Ser Ala Pro Gly	Met	Leu Pro Leu Ser	Val	
116		335		340		345
117	Arg Val Pro Ser	Leu Gln Val Gly Ala	Pro	Ala Leu Leu Gln	Gln	
118		350		355		360
119	Pro Arg Thr Pro	Thr Pro His Pro Ser	Val	Pro Gly Pro Ser	Pro	
120		365		370		375
121	Val Pro Leu Arg	Leu Pro Pro His Gly	Trp	Gln Arg Ala Gly	Cys	
122		380		385		390
123	Met Gln Trp Arg	Leu Leu Gly Pro Ala	Gln	Pro Arg Asn Ser	Ala	
124		395		400		405
125	Arg Tyr Gln Tyr	Trp Leu Phe Ser Leu	Leu	Ala Val Val Pro	Leu	
126		410		415		420
127	Val Ser His Asp	Cys Thr Phe Val Gly	Arg	Lys Val Ile His	Thr	
128		425		430		435
129	Cys Ile Thr Trp	Ser Leu Asp Ala Glu	Val	Pro Ile His His	Thr	
130		440		445		450
131	Cys Pro Ile Ala	Pro Thr Leu Leu Tyr				
132		455				
133						
134						
135						
136						
137	(2) INFORMATION FOR SEQ ID NO:	2:				
138						
139	(i) SEQUENCE CHARACTERISTICS:					
140	(A) LENGTH: 348 amino acids					
141	(B) TYPE: amino acid					
142	(C) STRANDEDNESS: single					
143	(D) TOPOLOGY: linear					
144						
145	(vii) IMMEDIATE SOURCE:					
146	(A) LIBRARY: BLADNOT04					
147	(B) CLONE: 1319265					
148						
149	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2 :					
150						
151	Met Trp Lys Thr Gln Ile Gly Ala Tyr Cys Gly Val Thr Thr Asp					
152		5	10		15	

**INPUT SET: S36416.raw**

153	Val	Arg	Val	Glu	Arg	Lys	Asp	Pro	Asn	Gln	Val	Glu	Leu	Trp	Gly
154					20					25					30
155	Leu	Lys	Glu	Gly	Thr	Tyr	Leu	Phe	Gln	Leu	Thr	Val	Thr	Ser	Ser
156					35					40					45
157	Asp	His	Pro	Glu	Asp	Thr	Ala	Asn	Val	Thr	Val	Thr	Val	Leu	Ser
158					50					55					60
159	Thr	Lys	Gln	Thr	Glu	Asp	Tyr	Cys	Leu	Ala	Ser	Asn	Lys	Val	Gly
160					65					70					75
161	Arg	Arg	Cys	Arg	Gly	Ser	Phe	Pro	Arg	Trp	Tyr	Tyr	Asp	Pro	Thr
162					80					85					90
163	Glu	Gln	Ile	Cys	Lys	Ser	Phe	Val	Tyr	Gly	Gly	Cys	Leu	Gly	Asn
164					95					100					105
165	Lys	Asn	Asn	Tyr	Leu	Arg	Glu	Glu	Glu	Cys	Ile	Leu	Ala	Cys	Arg
166					110					115					120
167	Gly	Val	Gln	Gly	Gly	Pro	Leu	Arg	Gly	Ser	Ser	Gly	Ala	Gln	Ala
168					125					130					135
169	Thr	Phe	Pro	Gln	Gly	Pro	Ser	Met	Glu	Arg	Arg	His	Pro	Val	Cys
170					140					145					150
171	Ser	Gly	Thr	Cys	Gln	Pro	Thr	Gln	Phe	Arg	Cys	Ser	Asn	Gly	Cys
172					155					160					165
173	Cys	Ile	Asp	Ser	Phe	Leu	Glu	Cys	Asp	Asp	Thr	Pro	Asn	Cys	Pro
174					170					175					180
175	Asp	Ala	Ser	Asp	Glu	Ala	Ala	Cys	Glu	Lys	Tyr	Thr	Ser	Gly	Phe
176					185					190					195
177	Asp	Glu	Leu	Gln	Arg	Ile	His	Phe	Pro	Ser	Asp	Lys	Gly	His	Cys
178					200					205					210
179	Val	Asp	Leu	Pro	Asp	Thr	Gly	Leu	Cys	Lys	Glu	Ser	Ile	Pro	Arg
180					215					220					225
181	Trp	Tyr	Tyr	Asn	Pro	Phe	Ser	Glu	His	Cys	Ala	Arg	Phe	Thr	Tyr
182					230					235					240
183	Gly	Gly	Cys	Tyr	Gly	Asn	Lys	Asn	Asn	Phe	Glu	Glu	Glu	Gln	Gln
184					245					250					255
185	Cys	Leu	Glu	Ser	Cys	Arg	Gly	Ile	Ser	Lys	Lys	Asp	Val	Phe	Gly
186					260					265					270
187	Leu	Arg	Arg	Glu	Ile	Pro	Ile	Pro	Ser	Thr	Gly	Ser	Val	Glu	Met
188					275					280					285
189	Ala	Val	Ala	Val	Phe	Leu	Val	Ile	Cys	Ile	Val	Val	Val	Val	Ala
190					290					295					300
191	Ile	Leu	Gly	Tyr	Cys	Phe	Phe	Lys	Asn	Gln	Arg	Lys	Asp	Phe	His
192					305					310					315
193	Gly	His	His	His	His	Pro	Pro	Pro	Thr	Pro	Ala	Ser	Ser	Thr	Val
194					320					325					330
195	Ser	Thr	Thr	Glu	Asp	Thr	Glu	His	Leu	Val	Tyr	Asn	His	Thr	Thr
196					335	</									

198  
199  
200  
201  
202  
203  
204  
205

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 238 amino acids

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/713,669DATE: 02/21/2001  
TIME: 23:51:23

INPUT SET: S36416.raw

206 (B) TYPE: amino acid  
207 (C) STRANDEDNESS: single  
208 (D) TOPOLOGY: linear  
209  
210 (vii) IMMEDIATE SOURCE:  
211 (A) LIBRARY: BEPINOT01  
212 (B) CLONE: 2057812  
213  
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3 :  
215  
216 Met Ser Asp Glu Glu Ala Arg Gln Ser Gly Gly Ser Ser Gln Ala  
217 5 10 15  
218 Gly Ala Val Thr Val Ser Asp Val Gln Glu Leu Met Arg Arg Lys  
219 20 25 30  
220 Glu Glu Ile Glu Ala Gln Ile Lys Ala Asn Tyr Asp Val Leu Glu  
221 35 40 45  
222 Ser Gln Lys Gly Ile Gly Met Asn Glu Pro Leu Val Asp Cys Glu  
223 50 55 60  
224 Gly Tyr Pro Arg Ser Asp Val Asp Leu Tyr Gln Val Arg Thr Ala  
225 65 70 75  
226 Arg His Asn Ile Ile Cys Leu Gln Asn Asp His Lys Ala Val Met  
227 80 85 90  
228 Lys Gln Val Glu Glu Ala Leu His Gln Leu His Ala Arg Asp Lys  
229 95 100 105  
230 Glu Lys Gln Ala Arg Asp Met Ala Glu Ala His Lys Glu Ala Met  
231 110 115 120  
232 Ser Arg Lys Leu Gly Gln Ser Glu Ser Gln Gly Pro Pro Arg Ala  
233 125 130 135  
234 Phe Ala Lys Val Asn Ser Ile Ser Pro Gly Ser Pro Ala Ser Ile  
235 140 145 150  
236 Ala Gly Asn Pro Gly Val Gly His Ser Ser Pro Cys Pro Gly Asp  
237 155 160 165  
238 Thr Gly Leu Gln Val Asp Asp Glu Ile Val Glu Phe Gly Ser Val  
239 170 175 180  
240 Asn Thr Gln Asn Phe Gln Ser Leu His Asn Ile Gly Ser Val Val  
241 185 190 195  
242 Gln His Ser Glu Gly Lys Pro Leu Asn Val Thr Val Ile Arg Arg  
243 200 205 210  
244 Gly Gly Lys His Gln Leu Arg Leu Val Pro Thr Arg Trp Ala Gly  
245 215 220 225  
246 Lys Gly Leu Leu Gly Cys Asn Ile Ile Pro Leu Gln Arg  
247 230 235  
248  
249  
250  
251

(2) INFORMATION FOR SEQ ID NO: 4:

252  
253  
254 (i) SEQUENCE CHARACTERISTICS:  
255 (A) LENGTH: 471 amino acids  
256 (B) TYPE: amino acid  
257 (C) STRANDEDNESS: single  
258 (D) TOPOLOGY: linear

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/713,669**

DATE: 02/21/2001  
TIME: 23:51:23

*INPUT SET: S36416.raw*

Line

Error

Original Text

PAGE: 1

**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/09/713,669**

DATE: 02/21/2001  
TIME: 23:51:23

***INPUT SET: S36416.raw***

< < THERE ARE NO ITEMS MISSING > >

PAGE: 1

**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/713,669**

DATE: 02/21/2001  
TIME: 23:51:23

*INPUT SET: S36416.raw*

Line	Original Text	Corrected Text
------	---------------	----------------